

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

Listing of Claims:

1. (Currently Amended) ~~Method~~ A method for transfer of an IP packet over a path from a sender (~~CN-13~~) over a radio access network (~~BS-6, HA-15, FA-11~~) to a mobile host (~~MS-2~~), comprising:

~~characterized in that~~ examining, when a home agent (~~HA-15~~) receives an incoming data packet determined for a mobile host (~~MS-2~~) with a destination address (~~MS2-address: 137.21.16.5~~) ~~the home agent (HA-15) examines,~~ if there is a match between the destination address (~~MS2-address: 137.21.16.5~~) of the packet and a subnetwork address (~~FA-11-address: 137.21.16.0~~) of a foreign agent (~~FA-11~~) listed in a list of subnetwork addresses (~~137.21.16.0; 137.22.25.0~~) stored at the home agent (~~HA~~); and

~~wherein~~ examining, if there is a match between the destination address (~~MS2-address: 137.21.16.5~~) and a subnetwork address (~~FA-11-address: 137.21.16.0~~) of a foreign agent, ~~the home agent examines whether a preconfigured path from the home agent (HA-15) to this~~ the foreign agent exists and ~~wherein the home agent (HA-15) sends~~ sending the packet to ~~this~~ the foreign agent (~~FA-11~~) on ~~this~~ the preconfigured label switched path (~~37~~) if a label switched path (~~37~~) to ~~this~~ the foreign agent exists.

2. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the home agent (~~HA-15~~) sends the packet to ~~this~~ the foreign agent (~~FA-11~~) on ~~this~~ the preconfigured label switched path (~~37~~) by sending the packet over a port of a forwarding interface (~~eth0~~) of the home agent (~~HA-15~~) which port is used for the path with ~~this~~ the path number (~~37~~).

3. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein the home agent (~~HA-15~~) examines if there is a match between the destination address (~~MS2-address: 137.21.16.5~~) of the packet and a subnetwork address

(FA-11 address: 137.21.16.0) of a foreign agent (FA-11) only if there is an entry (MS2 address: 137.21.16.5) in a binding cache of the home agent (HA-15) which entry corresponds to the destination address (MS2 address: 137.21.16.5) of the incoming packet.

4. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein a handover of a mobile host (MS1) from one foreign agent to another foreign agent is done without creating or modifying a path between the foreign agent and a home agent of ~~this~~ the mobile host.

5. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein the path (37) is a preconfigured, statically administered, multipurpose label switched path.

6. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein the functional entities of mobile IP and multipurpose label switching MPLS are co-located but not correlated in a foreign agent (FA-11).

7. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein a foreign agent (FA-11) and a home agent (HA-15) are packet switched nodes of an IP network.

8. (Currently Amended) ~~Home~~ A home agent (HA-15),
~~characterized in that it comprises,~~ comprising:
 [[-]] a memory ~~containing~~ including a list of subnetwork addresses (137.21.16.0; 137.22.25.0) of foreign agents;
 [[-]] a comparing ~~means~~ device for comparing the destination address of an incoming data packet determined for a mobile host (MS2) with stored subnetwork addresses (137.21.16.0; 137.22.25.0) of foreign agents (FA-11, FA-12) for determining the foreign agent (FA-11) to which the packet is to be sent;

[[(-)]a ~~means device~~ for determining a path-(37) for transmission of the packet to the foreign agent-(FA-11) by comparing the determined foreign agent-(FA-11) address (137.21.16.0) with stored addresses (137.21.16.0; 137.22.25.0) of foreign agents-(FA-11, FA-12), between which foreign agents-(FA-11, FA-12) and the home agent-(HA-15) paths-(37, 62) exist; and

[[(-)]an interface (eth0)-for transmitting a packet to a determined foreign agent-(FA-11) on a determined, preconfigured path-(37).